

Paper #4

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Patent and Trademark OfficeAtty. Docket No.  
P19913Serial No.  
09/831,346INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT  
(Use several sheets if necessary)Applicant  
Siew Kok HUIFiling Date  
May 11, 2001Group  
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SEP 13 2001  
Technology Center 2600

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DL	4 0 2 5 7 2 1	05/24/97	GRAUPE et al.			
	4 4 2 5 4 8 1	01/10/84	MANSOLD et al.			
	4 5 8 9 1 3 7	05/13/86	MILLER			
	4 6 2 8 5 2 9	12/09/86	BORTH et al.			
	4 6 3 0 3 0 4	12/16/86	BORTH et al.			
	4 6 3 0 3 0 5	12/16/86	BORTH et al.			
	4 8 8 7 2 9 9	12/12/89	CUMMINS et al.			
	4 9 5 6 8 6 7	09/11/90	ZUREK et al.			
	5 0 2 7 4 1 0	06/25/91	WILLIAMSON et al.			
	5 2 2 4 1 7 0	06/29/93	WAITE, Jr.			
	5 4 0 2 4 9 6	03/28/95	SOLI et al.			
	5 4 1 2 7 3 5	05/02/95	ENGEBRETSON et al.			
	5 4 7 1 5 3 8	11/28/95	SASAKI et al.			
	5 4 7 5 7 5 9	12/12/95	ENGEBRETSON			
	5 5 5 7 6 8 2	09/17/96	WARNER et al.			
	5 6 2 7 7 9 9	05/06/97	HOSHUYAMA			
	5 6 8 0 4 6 7	10/21/97	HANSEN			
	5 6 9 4 4 7 4	12/02/97	NGO et al.			
	5 7 3 7 4 3 0	04/07/98	WIDROW			
	5 7 5 4 6 6 5	05/19/98	HOSOI			
	5 7 9 3 8 7 5	08/11/98	LEHR et al.			
	5 8 2 5 8 9 8	10/20/98	MARASH			
	5 8 3 5 6 0 7	11/10/98	MARTIN et al.			
	5 8 3 5 6 0 8	11/10/98	WARNAKA et al.			
DL	5 9 1 7 9 2 1	06/29/99	SASAKI et al.			

EXAMINER

David Lugo

DATE CONSIDERED

9/22/04

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Paper #5

Serial No.  
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Paper # 6

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TRANSLATION  
YES NO

EPHRAIM et al., "Speech Enhancement Using Optimal Non-Linear Spectral Amplitude Estimation," Proc. IEEE International Conference Acoustics Speech and Signal Processing (Boston), 1983, pp. 1118-1121.

9/22/04

David Lugo

EXAMINER David Lugo DATE CONSIDERED 11/1/2011

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Paper # 7

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Application No.  
09/831, 346

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Paper # 8